

LILY PLANT NAMED 'RIALTO'

Latin name of the genus and species of the plant claimed:

Lilium L. oriental hybrid

Variety denomination:

5 Rialto

BACKGROUND OF THE INVENTION

This application is based on U.S. provisional plant patent application serial no. 60/392,032, filed June 28, 2002.

The present invention comprises a new and distinct cultivar of lily plant,
10 botanically known as *Lilium L.*, and hereinafter referred to by the cultivar name 'Rialto'.

'Rialto' is a product of a planned breeding program which had the objective of creating new lily cultivars having many large, upright flowers and vigorous growth habit.

15 'Rialto' originated from a hybridization made by the inventor, Cees A. van der Voort, in a controlled breeding program in Rijnsburg, the Netherlands in October, 1996. Both the female and male parents are unnamed proprietary *Lilium L.* seedlings.

'Rialto' was discovered and selected as one flowering plant within the
20 progeny of the stated cross by the inventor in October, 1996 in a controlled environment in Rijnsburg, the Netherlands.

The first act of asexual reproduction of 'Rialto' was accomplished when scales were taken from the initial selection in a controlled environment

in Rijnsburg, the Netherlands by, or under the supervision of, Cees A. van der Voort. Horticultural examination of selected units has demonstrated that the combination of characteristics as herein disclosed for 'Rialto' are firmly fixed and are retained through successive generations of asexual reproduction.

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BRIEF DESCRIPTION OF THE INVENTION

The following traits have been repeatedly observed and are determined to be basic characteristics of 'Rialto' which in combination distinguish this lily as a new and distinct cultivar:

- 10 1. large, white flowers with contrasting orange pollen; and
 2. vigorous growth habit.

'Rialto' has not been observed under all possible environmental conditions.

The phenotype of the new cultivar may vary significantly with variations in environment such as temperature, light intensity, and daylength without any

15 change in genotype.

BRIEF DESCRIPTION OF THE DRAWING

The accompanying color photographic drawing shows a side-view of a typical plant of 'Rialto', with colors being as true as possible with illustrations of
20 this type. The photographic drawing shows the large, white flowers with contrasting orange pollen, the buds, and leaves of 'Rialto'.

DETAILED BOTANICAL DESCRIPTION

The following observations, measurements and values describe the new cultivar as grown in Rijnsburg, The Netherlands under conditions which closely approximate those generally used in commercial practice. The plant is grown under controlled climate conditions, preferably in greenhouse constructions.

- 5 Color references are made to the Royal Horticultural Society (RHS) Colour Chart (publication date 2001), except where general colors of ordinary significance are used. Color values were taken under daylight conditions at approximately 12:00 p.m. in Rijnsburg, The Netherlands. The age of the plant described is about 90 days.

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PARENTAGE:

Male Parent: Unnamed proprietary seedling (unpatented)

Female Parent: Unnamed proprietary seedling (unpatented)

- 15 PROPAGATION: Scales were taken from the bulbs

PLANT:

General Appearance and Form:

Height: Medium to tall, 105 cm, depending on growing conditions

- 20 Flowering Season: All year round in controlled climate conditions in a greenhouse

Winter Hardiness/weather tolerance: None

Lastingness of the Individual Bloom: Minimum 21 days, depending
on storing conditions

Rooting Habit: Vigorous

Fragrance: Very weak

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STEM DESCRIPTION:

Length: Medium to long, 90 cm., depending growing conditions

Diameter: 4 mm

Strength: Very strong

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FOLIAGE:

Overall Shape of Leaf: Ovate

Quantity: Approximately 35 – 45, depending on growing conditions

Length: Medium, 10 cm, depending on growing conditions

15 Width: Wide, 3.5 cm, depending on growing conditions

Texture: Minimal pubescence

Color of Upper Surface:

Mature leaf: Dark green – RHS 133A

Immature leaf: Medium green – RHS 137A

20 Color of Lower Surface:

Mature leaf: Dark green

Immature leaf: Medium green

Venation Color:

Upper surface: Dark green – RHS 133A (mature leaf); medium green
– RHS 137A (immature leaf)

Lower surface: Dark green (mature leaf); medium green (immature leaf)

Petiole:

5 Length: 3 mm

Color: Green

FLOWERS:

Flower type and habit: Raceme

10 Flower size: 15 cm Diameter

Overall shape: Hexagonal star in form and bowl-shaped in cross-section

Average number of flowers per lateral branch: 3, depending on growing
conditions

Tepals:

15 Number of tepals: 6

Texture: Papillose

Tepal size: Medium length 8 cm; medium to wide width, 4.5 cm

Tepal Color:

Upper surface: White RHS 155D

20 Lower surface: White RHS 155D

BUD

Form: Tapering

Color: Light green – RHS 138D

Length: 8.5 cm, depending on growing conditions

Diameter: 3.5 cm depending on growing conditions

Peduncles: 3 cm length, angle upright to horizontal, color medium green

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REPRODUCTIVE ORGANS:

Stamen:

Number: 6

Color: Green RHS 138D

10 Seeds: None

Fruit: None

Anthers:

Number: 6

Color: Green

15 Pollen:

Color: Greyed red RHS 180A

Stigma: 1

Color: Green

20 DISEASE RESISTANCE: No known information